

# An interactive, SCORM-compliant product training program



### Generic product training on pumps for ExxonMobil

Formed by the combination of two high-caliber organizations, Exxon and Mobil, the company is an industry leader in almost every aspect of the energy and petrochemical business. The organization structure is built on a concept of global businesses and is designed to allow ExxonMobil to compete most effectively in the ever changing and challenging worldwide energy industry. ExxonMobil Corporation is committed to being the world's premier petroleum and petrochemical company. They continuously strive to achieve superior financial and operating results while adhering to the highest standards of business conduct.

### THE NEED FOR E-LEARNING

ExxonMobil approached Tata Interactive Systems as they needed to develop a Web-based Training course on pumps from the recorded Centra session conducted by Larry Rupp for ExxonMobil. The course had to be interactive in nature and at the same time was to provide effective instruction to the learners taking the course.

### HOW OUR SOLUTION HELPED

Tata Interactive Systems designed the Web-based course to adhere to SCORM 1.2 specifications. The course on pumps was divided into six Learning Objects (LOs), each dealing with a separate and distinct topic. These LOs mapped to specific learning objectives that were defined at the beginning of the project. Each LO began with an introduction and the objectives, and then progressed to the teaching sections.



**The courses developed for ExxonMobil clearly demonstrate how the ease and effectiveness of learning can be increased with a well-designed program, irrespective of the subject matter.**

**The visual appeal greatly enhanced the learners' willingness to learn.**

Teaching happened according to the principles of adult learning and made use of references and examples from the learners' experiences. This section made use of the interactive and animation facilities of the medium to ensure that the learner's interest did not dip at any point during the program.

The sequence followed was:

- The first LO that the learners were requested to access was a pre-assessment.
- The subsequent six LOs pertained to the subject matter and taught all about pumps.
- The final LO was a course post-assessment that tested whether the learners had understood the topics covered in the course. If the score was less than 80 percent, the learners were requested to go through the particular LOs again. If the learner scored more than 80 percent, then they were presented with a congratulatory screen with their score.

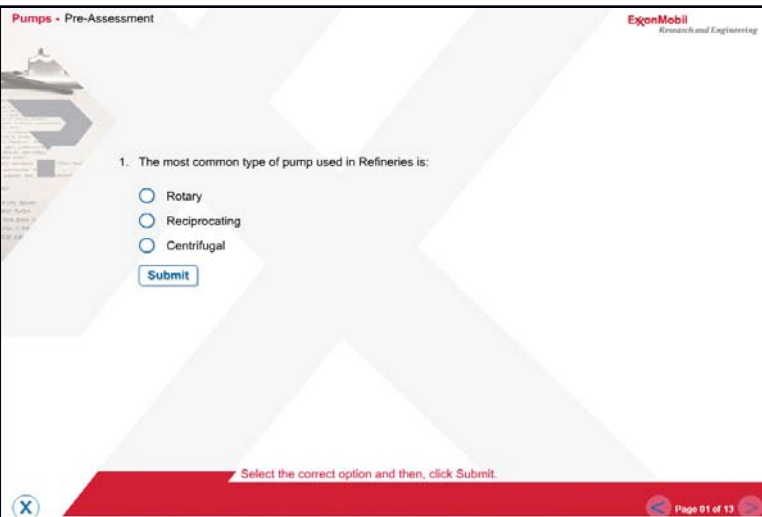
The results of the assessment were ultimately to be stored in the Centra database, which could be centrally tracked by the training head or a designated person. The course had a very strong visual design—the 'xx' from ExxonMobil logo was used effectively to show the course name 'Pumps'. In short, an overall visual design was heavily based on bold typography in introductory screens and subsequently images such as photographs, diagrams, or 3D models of actual products.

### TECHNOLOGY USED

The training program was developed using HTML, DHTML, and Macromedia Flash.

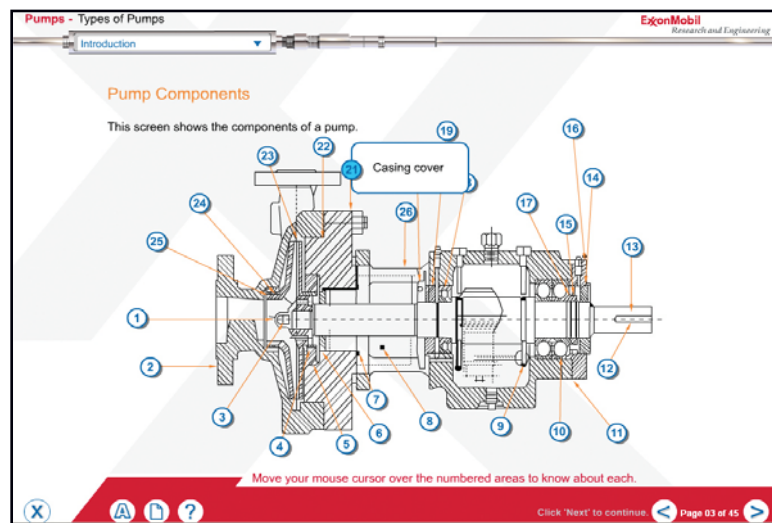
### SOME SAMPLE SCREENSHOTS

The screenshots offer a brief glimpse of the Web-based Training for ExxonMobil. To experience our products at work, you may view our demos by registering online at [www.tatainteractive.com](http://www.tatainteractive.com).



Screenshot depicting a pre-assessment.

A teach screen showing all the components of a pump.



Practice questions were used to recap the key points and reinforce learning.

